

G:\LANL Engineering Standards\Eng. Manual [LEM]\2. Approved\ST-D10-30GEN-1M322.dwg, 09/18/03 @ 14:07 003598

H

G

F

E

D

C

B


A

NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE ESM MECHANICAL POC.
2. REFER TO THE FOLLOWING LANL STANDARDS FOR ADDITIONAL REQUIREMENTS:
 - A. ENGINEERING MANUAL, MECHANICAL CHAPTER.
 - B. SPEC 01325, WATER DISCHARGE REQUIREMENTS.
 - C. SPEC 15140, POTABLE AND NON-POTABLE WATER PIPING.
 - D. MECHANICAL DRAWING ST-D2020-1, SITE/BUILDING WATER COMPONENT DIAGRAM.
3. BACKFLOW PREVENTERS (BFP) MAY BE STACKED OR INSTALLED SIDE-BY-SIDE PROVIDED THAT THE MINIMUM AND MAXIMUM CLEARANCE DIMENSIONS ARE MAINTAINED.
 - A. USE VERTICAL INSTALLATION (STACKED) WHERE POSSIBLE.
 - B. 12" MINIMUM CLEARANCE IS REQUIRED WHEN BACKFLOW PREVENTERS ARE INSTALLED SIDE-BY-SIDE.
4. PROVIDE FLOOR DRAIN TO SANITARY SEWER NEAR BFP. ROUTE BFP DRAIN PIPING TO MINIMIZE A TRIPPING HAZARD.
5. FOR ONE BFP, THE MINIMUM DRAIN PIPING SIZE IS THE SAME SIZE AS THE AIR GAP BFP PORT SIZE. FOR 2 OR MORE BFP'S ON THE SAME DRAIN PIPING, THE MINIMUM COLLECTING DRAIN PIPING SIZE IS THE SUM OF THE INDIVIDUAL DRAIN PIPING AREAS.
6. BFP INSTALLED MORE THAN 5 FEET ABOVE FLOOR SHALL BE PROVIDED WITH A PLATFORM CAPABLE OF SUPPORTING A TESTER OR MAINTENANCE PERSON (UPC REQUIREMENT).

DRAWING DEVELOPED FOR ML-3/
ML-4 PROJECTS. FOR ML-1/
ML-2, ADDITIONAL REQUIREMENTS
AND QA REVIEWS ARE REQUIRED.
(REMOVE THIS NOTE WHEN IN-
SERTED INTO A DRAWING PACK-
AGE).

| | | | | | | | | |
|----|---------|--------------|---|-----|------|------|-----|-----|
| 2 | 8-14-03 | U | EDITORIAL CHANGES & DWG NO. WAS ST6100. | RP | AY | RR | GG | TO |
| 1 | 9-6-02 | U | REVISED NOTES AND REVISED TO COMPLY WITH DRAFTING MANUAL. | RP | AY | GG | GG | TO |
| NO | DATE | CLASS REV | DESCRIPTION | DWN | DSGN | CHKD | SUB | APP |

**FACILITY & WASTE OPERATIONS
DESIGN ENGINEERING CONSTRUCTION SERVICES**

ENGINEERING STANDARDS MANUAL

DRAWN
DESIGN
CHECKED

R.PEARSON
R.FROST
G.GREWAL

BACKFLOW PREVENTER DETAIL
DESIGN NOTES

BLDG X


TA-X

SUBMITTED

APPROVED FOR RELEASE

DISCIPLINE POC: GURINDER GREWAL

STANDARDS MANAGER: TOBIN ORUCH



P.O. Box 1663
Los Alamos, New Mexico 87545

CLASSIFICATION U

REVIEWER LARRY BAYS

PROJECT ID

DRAWING NO

DATE

3 OF 3

CHAPTER 6

ST-D10-30GEN-1

REV
2